

Rush's Section

21 Philadelphia 1811 & 1812

Peter W. Woodbury



A Bathing Thing

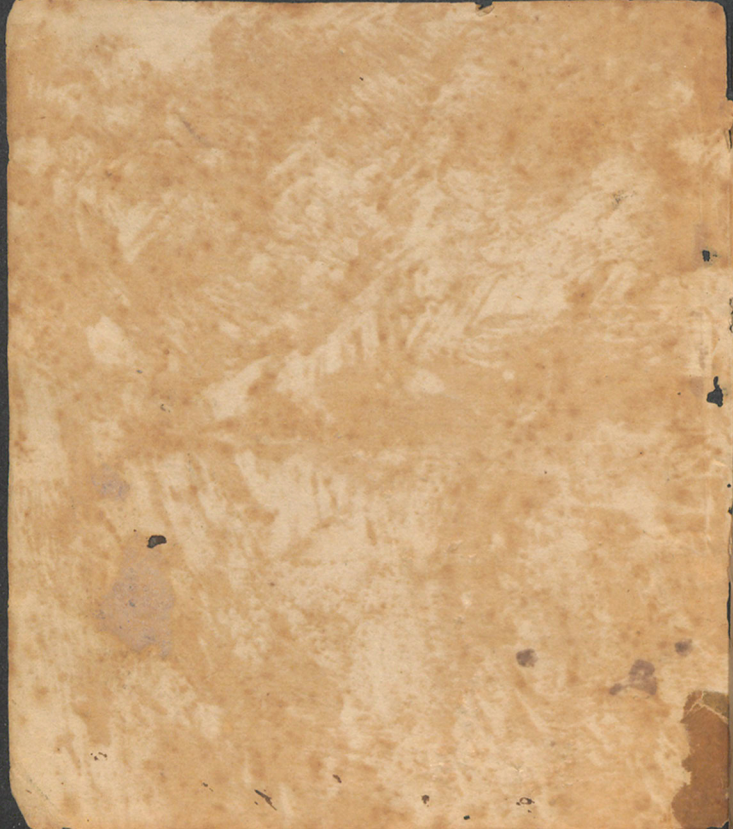
W. Woodbury

W. Woodbury

W. Woodbury

W. Woodbury

W. Woodbury



On the Pulse. ---

Dr. Rush, distinguishes between a weak pulse and a depressed one, also ~~the~~ tens one. A weak pulse has not that tension, it does not intermit so much is soft while the other is hard and depressed, pulse is small and hard more intermitting, and shows what Dr. Rush calls a suffocated excitement.

Animal life is a forced state is acted upon by sedatives and by stimuli, the sedative diminish directly the vital principle and stimuli increase it differently, man has different stimuli, The professor agrees with Dr. Brown says his doctrine is founded on nature, it was taught on we may say Moses understood the same principle, there is no such thing as innate idea, but an innate capacity acted upon stimuli, that man is a machine that he exist by force and even in spite of himself, he enumerates

various stimuli, which act upon different nations, which keeps the being in existence, those which act upon the people of the United States are the love of liberty, where peace and national liberty is enjoyed the inhabitants live the longest he instances the State of Connecticut, the love of money the love of dress, the love of fame &c &c.

Set 2. Animal heat.

It is the same in all climates and has been the same in all ages whether he exist in the torrid, frigid or a temperate zone, In man greater than in woman, in children greater than in advanced age, heat is less in old age. The heat in the lungs is one degree greater than in the rest of the body it is sometimes below and sometimes above ninety six degrees.

The causes of heat are combustion and friction.

pneumation, fermentation, Electricity, The lungs
are the fine place from whence the
whole system becomes heated, the structure
of the lungs is it will dispose to such an
action, they contain air cells, Heat is in
proportion to the size of the lungs. —
It is supposed that forty cubic inches of air
is necessary to expand the lungs, Animal
Heat is in birds greater than in man,
it is above an hundred and eleven degrees,
in creeping animals it is less, thus says a
traveler that the ladies in Spain on a hot
summer day often carry toads in their
bosom that they may be cool, The heat
in the right ventricle of a dog was 93
the left 87 degrees. Dr. Burkh does not
agree with Dr. Black and the French
Chemist, that respiration is exclusively
necessary for animal heat, that is, it is
not the only cause of heat in the system.
The lungs are only one degree
greater, than the body which ought to

be much more considerable, if the whole
system derives its heat thro the medium
of the lungs alone, The Dr. quotes two
or more instances, where the heat continued
after death has taken place for
four days, respiration certainly ceased,
the heat was greater in a bird taken
off, certainly the arterial action could
not be so great, immediately after
the amputation had taken place,
The anastomosing arteries could not
soon convey an equal quantity of blood.
In old age the heat less, the respiration
the same, certain sounds increase the
heat, light increases heat. Dr.
Warm air is a stimulant, and passion
increased the heat. Bleeding & purging
lessen the animal heat. The heat of
the system is less in old age, for the
stimuli cease to have so great an effect
upon it. The heat of the system is often
unequal, that is there is a greater degree

of excitement in one part than ⁱⁿ another
the head is the hottest, it is not then
that animal heat taken ^{away} by the decom-
position of the atmospheric air alone. by
which the coloric is set at liberty, but
a combination of the above enumerated
causes before mentioned.

Sept. 13, - - -

A case of Rheumatism, (Phimical reports, Great
Dartm. Galap 15 Gr. gamboge 1 Gr. Siler 15
to reduce the pulse, on 12 Gr Siler, and one 1/2
Santonematis given three times daily, a small
dose once in two hours. Given but 3 times daily
in chronic diseases, You should prescribe from the
predisposition both before, and after the complaint
appears cured, For a Phlegmatic make use
of the root of Toron 10 Gr. Ginger 2 1/2 Gr.
Columbo 2 Gr. - - -

Dr. How did not attend to this lecture
as he ought. - - -

Lecture 4. This lecture, Dr. Rush mentions
the general circulation of the blood. —
Large tumors are supplied with blood
by arteries, Power which move the heart
are first, an inherent power, in itself,
which Haller calls vis insita, the other
a specific action, which derives its influence
from the brain, Arteries possess a monop-
-oly of innatibility, many arguments are
adduced to support the assertion it depends
on this principle, that blood ceases to flow,
if you apply a stimulating application to
a bleeding vessel such as a caustic or the Spts-
Turpentine, Vins are the contractors of the
bloodvessels, they return the blood to the heart,
The use of the spleen was shewed. For all
violent exercise of the body as an unusual quantity
of blood is thrown out of the heart, this
would occasion a rupture of vessels unless
there was some friendly reservoir which would
stop its progress, it contains one great artery
and numerous veins, and is so intrinsically with the

so that it is capable of containing 3 or 4 ^{the} pints
of blood, without increasing its size, in all
violent exercises of the muscles, such as laughing
running, a pain will most generally take place
in the left side, this is owing to the distention
of the spleen by blood, here we often put up
our hands upon our sides in laughing, & often
running &c. In malignant fevers, the
spleen was found by Dr. Johnson of Jamaica
to be distended ^{with} grumous blood and enlarged in
size, also in those of the intermittent kind
the patient could always tell when the
evacuations was about to take place by
the pain in the side, at first then an enlarge-
ment would take place, which could be plain-
ly perceived. In fine says the Dr. this
long neglected and even insulted viscus is of
the first importance, could the brain speak
on the heart cry out while it reproaches
us for past neglect, and insult would
declare the spleen as important as the
eye, or the ear. -

Lecture 5. Further observations on the
general circulation of the blood, in the
spleen, & the brain and on the brain,
its shape, size, compared with brutal
creation. Dr. D^r proceeded to speak of the thymus
gland, it owes the same purpose to the lung
that the spleen does to the general system
it is a wastegate, a reservoir for containing
all the surplus blood, which is often
thrown, from the lungs in all violent
actions, in those viscera, this gland grows
up as we grow old, the circulation then
becomes regular and is not subject to those
irregular actions, which during our growth
takes place, It is owing to this gland,
which acts as an assistant to the lungs, that
the pulmonary consumption, takes place
after the age of twenty. it very seldom
takes place before —

Lecture 6. Observation on the Brain and nerves, ^{also}
Nerve contains a much larger proportion than
Brain and it is owing in some measure —

to the size of the Brain, that our abilities are more or less transcendent. It is the origin of the nerves, a certain influence is transmitted from it, to the nerves and a sensation from extremities of the nerves to the Brain. All sensation is derived from the Brain. A violent stimulus ~~occasions~~ occasions a prostration of sensation, the skin has become insensible, even to caustic application, and loses the power of feeling the impulse of foreign bodies, he continued the Lecture upon the nervous system. — — —

Lecture 7. Continuation on the nervous system.

The Brain is the reservoir of the nervous influence, the muscles are moved by a power peculiar to themselves that is they act in part by a power inherent in themselves, and in part ~~impulsed~~ by an influence excited upon them by the Brain. The Dr. denies the existence of voluntary motions, asserts that all motion were at first, involuntary, thus the air rushing into the lungs occasions pain, all voluntary motion are acquired by habit, thus respiration is involuntary, yet by habit we can cease to require for consideration

time, that ^{we} live by force, and that our motions
are involuntary. The Do^r produces a curious argument
he imports he, came to, the Lecture Room by force, that
the air entered into lungs, ^{impelled} ^{excited} ^{or} propelled them into action,
the action of lungs, put the heart in motion, the heart,
and the Brain, a sense of duty excited the will, the
Will the muscles, and the muscles carried on rather conveyed
him, he says, by force to his chair, The Lecture was con-
cluded by saying much upon sympathy and habit
which we may find observation similar in Darwin
& Baconsend.

Lect 3. Continuation on sympathy, he divides ^{the} into
reciprocal and non reciprocal, the former takes
place, when the parts mutually sympathize with each
other, as is the case of the stomach and the Brain,
the latter when a disease is transferred from one part
to an other, but not vice versa, also continuous and
discontinuous the former its ^{origin} ^{is} ⁱⁿ ^{the} ^{nerve} ^{with} ^{its} ^{origin} ^{is} ^{not}
discontinuous as in the nerves, as the latter where the
parts situated near each other as the abdominal
& peritoneum.

Lect 9. In this Lecture the Dr. spoke of the functions of the Brain viz. Hearing, Seeing, Tasting, Smelling, and of Touching. Firstly the touch, this resides mostly in the extremities of the fingers, the lips, & the end of tongue, it is this faculty we possess in an eminent degree above the bruted creation, which conspire in a great measure to render us so much more superior. this may be much improved by practice and it is absolutely necessary that it should be to the Physician. —

Lect 10. This lecture the Dr. gave a physiological disquisition together with an anatomical description of the eye and vision. —

Lect 11. Was upon smelling and tasting as there was nothing practical. I shall make no extracts. —

Lect. 12. Continuation on the senses there all ought to be possessed in an accurate degree by Physicians, to be able to distinguish accurately every feature in the sick patient, he spoke on the mind & soul. said Physicians ought to be metaphysicians, he spoke of immortality & the properties of the soul. &c. —

Lect 13. Dr. Rush divides the mind into
Instinct, Memory, imagination, understanding,
will, passion, and the principles of faith. In instinct
he disagrees with Dr. Darwin, it is a principle in-
-planted within^{us} by which we distinguish objects
without the aid of reason, as we increase in years,
and understanding resume the sway, we have less need
of it, and the principle becomes almost extinct.

Those persons who possess any one of the above faculties in
a remarkable degree, generally suffers a diminution of
the other faculties in a ~~proportion~~ relative proportion.
He considers the soul as immaterial, altho. he thinks it
not repugnant to Christianity if immaterial, it
cannot act but concert with the body, to which it
is joined by yusta position. it sleeps till the res-
urrection, This lecture Dr. Howe says was most
beautiful and, contained many facts and practical
observation.

Lect 14. Continuation on the moral faculties,
on which he gave a ingenious Lecture - -
Lect 15. Still on the operation of the mind he
began with sleep, He calls it a temporary coma,

It is necessary that the sleep may be sweet and refreshing. That muscular, the nervous, and Sanguiferous powers, should ^{be} at a equal state of excitement, and that ~~neither~~ ^{neither} it should be above or below the sleeping point, if the heart and arteries should be above the sleeping point, bleed your patient, if the muscular use overflows, if the nervous, conservative, and stolid, if below wine, for the muscular ^{Walking} ~~The~~ Will, be cooled by the fixed Gum, and Sanguiferous by the Oil of Amber. Sleep takes place as the exciting causes are more ^{or} less applied, and the power to use the words of the Do^r, are more or less blurring.

Lect. 15. When Sleep comes too suddenly it occasions a starting which would not take place if its approach was gradual. The system ^{is} weaker in sleep than when awake, hence debilitated patients should not be directed to walk much much before breakfast. Disorders are not natural there is a morbid excitement in some of the powers of life 6 or 7 hours is sleep enough for any person in health, Decays often take place in the night, owing to the diminution of the

powers of life, than the syctim is weather. --

Lect. 17. The imagination in disease is uncom-
vived, the Sexual appetite is increased. The reason
we never dream of an object or a person by
whom we were much interested, except in the
beginning or decline of that interest, it is because
by thinking of the object intensely in the day,
that the imagination becomes exhausted. --

There is no more probability of truth in dream
than in thoughts, while in waking hours, we
think in our waking moments, so we dream
in our sleep, why should we ^{think} dream more
ominous, than our daily thoughts, we may always
remember our dreams by keeping our eyes shut
and remaining in the same situation, --

Hallen wrote poems in ^{his} sleep, Sleep is a disease
set in the Brain, and in the blood vessels,
Sleep is an important article, in the medi-
cina, Sleep dissolves the cohesion of thoughts,
if it were not so we should be madmen, it
is allied to virtue, hence when we awake the
impressions, which ~~was~~ strong in the evening.

becomes weathered in the morning, Dreams are
a necessary stimulus to prevent diseases, they
keep off diseases. - - - - -

Lect. 18. Debility is the predisposing cause of hum-

-ger it is a morbid action occasioned by previous
debility, Sedatives reduce the excitement below
the healthy point, while stimulants raise it above,

Intermittent ^{hunger} is a bad symptom in Fevers a
want of thirst is also a bad symptom,

We should always masticate our food well, as
digestion goes on better, The stomach is the
reservoir ^{indigestion} of the system, A total relaxation of the
mind is necessary for digestion, You should not
often and sleeping would not take place.

Lect. 19 Par. I have said this lecture was not
well remembered, yet it was on the liver, the
hepatic bile is necessary to convert chyle into
blood, that Diacutus Mellitus, from a diseased
state of the liver not from the kidneys, For
a particular account of his new theory see
his son's inaugural dissertation & Cahn's museum

Lect. 20. This lecture was on the Blood
The Fibrina coagulable Symp^h is the living
principle in the blood, it differs only
from the living solid in its difference in
degrees of texture, Thus red globules are
not essential to life, as some animals are
without them, that serum serves as a Gravy
to the rest of the Blood, That the Life
of the Blood is destroyed by too great an
increased action of the Bloodvessels, tearing
and rending it asunder, — — — —

Any cause which produce a certain
increased action of the Bloodvessels, produce a
buff, a still greater action a membran
thinning in no degree from the living solid,
and still farther degrees the Blood becomes
dissolved, hence the blood of women in preg-
nancy exhibits an inflammatory buff, therefore
there is a disease, A child is born in a disease,
The bite of a viper must come in contact
with a particle or more blood, be communicated
to the whole system, by sympathy of continuity

before ^{death} takes place, you must bleed when
when the actions of the heart and arteries
are too ~~the~~ great. too much. too little. —

Lect 21. This Lecture the Dr. related
experiments of Rossau and Clap to prove
that the skin has no absorbents brought
fourth arguments to support his theory
& continued his Lectures upon Sympathies

Lect 22. The secretions were the subjects of this
Lecture. The structure of the glands, ^{is involved the} produce
^{different action of the glands.} different results, Rush supposes there is trans-
lating fluid, from one part of the system to an
other, Eleven different kinds of matter enter
into the Urine, you must bleed fat,
less than lean people, —

Lect. 23. Perspiration, is increased by exercise,
it is more in some climates than in others, the
daily quantity of Perspiration in the United
States was above 400 Then is a constant
sympathy between the skin and the bowels, when
the actions of the bowels is diminished perspiration is

increased ~~but~~ ^{but} becomes changed by disease its acid
Saline, & yellow, it resembles Urine it becomes
bloody as different diseases affect the system,
Nutrition Fullon says, is carried on by
means of the ~~veins~~ ^{arteries} ~~arteries~~ & ~~veins~~ ^{arteries} by the
arteries the heart and arteries are formed
first, the blood acting on the heart & arteries,
they on the Brain, ^{& the Brain} reacting upon the heart
and arteries. A fact is related that cutting
off the nerve of a limb, and it was not
diminished in size, the system derives its
nourishment from the blood. - - - - -

Section 4 Circumstances of the Body of

Females, The Circumstance is more soft and smooth
than in men. The lymphatics more active, the
the liver ^{longer} ~~longer~~ ^{perceive} ~~longer~~ ^{live longer} Local pulsions
wider, retain the Urine longer, in respiration
move the Thorax more, the abdominal less,
there is a natural difference between the
minds of females and males, in understanding
less, in indignation less in woman, except in

the memory of words, but not in ideas, Superior
to men in taste, The ~~moral~~ faculties more
acute, more devout, more kindnes, more
charity, less benevolence, less forgiving, they afford
pleasure in middle life, support old age,
are more serene, — have quicker conception,
have more fortitude, quicker in judgement,
less courage, more given to despair, they
communicate all secrets, but then again,
men there own, more vendictive, a want of
veracity, less given to renercy, and more
delicate, it is in the society of the females that
men become accomplished, the difference
between the powers of the male & female is
original, not by education, Monthly discharge
take place different times, In these states
about the age of 14. The ~~menes~~ occurs in
old age, like the teeth, it is an effort
of the system to ~~renew~~ itself. Some women
menonate during pregnancy, it is from
the vagina that the discharge is secreted,

It is often more necessary to bleed during the menstrual discharge than it would in the disease if the menses had not appeared. -

A woman is ^{more} liable to an inflammatory disease, previous to menstruation, than men. She menses is a translocation of blood to the Uterus, it is a Hemopto a spitting of blood from the Uterus. Conception has taken place, when the discharge has not made its appearance. The menses in woman are necessary to constitute the divine for venery. 99 in an hundred woman conceive immediately after menstruation has ceased.

Sept 25, This Lecture was on conception, He related different theories, but as nothing is known certain, I shall make no extracts. It is a fact which ought to be known to Physicians that a living child has been born in five months ~~from~~ after conception has taken place, and other at six, and seven, and all have lived to the common age, ~~it~~ from Dr. Baileys.

Lect 26, Aliments and drinks are the
causes of many diseases. the best Physicians
and the most popular are those, who
attend to the diet, Man was created a civil-
-ized being, and he became savage by want
of education. It is a common remark
that a white man becomes an Indian
sooner than an Indian becomes an
white man, Animals were created for the
use of man his diet ought to consist of
it combine with vegetables, Such however
is the constitution of man, that it conforms
to almost any situation, Man is a omnivorous
-animal. Dr Rush mentioned a man who eat
nothing but Buffalo for three years, yet he
enjoyed good health, Much of our diet was
discovered by accident, yet accident is a species of
necessitation. Animal food disposes to malignant
disorders, Vegetables alone to the skin or disease
of the skin, Animal acts on the stomach and on
the tongue, The potatoe possesses one third of
the nourishment of flour.

Cynal parts of Flower makes the best
paste for an apple dumplin for the
sick. The Potatoe may be kept a long
time by putting it into an oven heated
to the degree of destroying the vegetative
principle, Turnip is a very good article
of diet for the convalescents, Parsnip is also
a good vegetable, it is improved by putting
it over the fire over the fire after it
is boiled, Cabbage is indigestible food, it
will digest better by putting it into warm
water the night before you boil it. —

Onions are a good article of diet for laboring
men. The French vegetable broth consist
of one part onions and two parts of potatoes or
any other of the vegetables. The Chinese
make bread of Beans, pound them, then
add water since then, pour off, then bake,

(Turpentine 2 drops destroys the smell of the
Urine or Feces after eating of vegetables,

(If you want to fatten a Horse give him boiled
potatoes, If you want him to ~~work~~ work,
raw ones, Studious convalescence, and those who
live an easy life ought to take those things, which
digest most easily, while a man who labours
ought to eat that kind of food which will
not digest easily as the stimulus of it will
continue longer.

Section 2^d Fish is a good alimentary substance.
Fresh water fish are more easy of digestion, than
salt water fish, Lobsters are the least nourish-
ing of any ~~Flesh~~ ^{Meat}, Females are ⁶able animals
are more easy of digestion than males, The cur-
-bin is most easy of digestion, The legs of wild birds
are more easy of digestion, than the wings. —
Animals soon fatted are not so good as those
which fatten at leisure, Animals are
not so good in the Spring, at the time of
venereal orgasm, Sheep which live on
mountainous situation are better ^{meat} than those
which live on the low lands, The Romans
examined the liver, ⁷ and if found in animal health,
concluded a situation to be a healthy one, Grafe is best

warm up goovers. A fowl is more easy of digestion
for being chasid, The Indians ^{were} not so
strong as the white men, because they
subsist upon ~~the~~ wild animals, which
are not so nutritious as domestics,

The lip blood passes from an animal
the more easy of digestion, Pork is not so
easy of digestion as Beef, hence the Pork is
better for laborers, The longer kept the
animal is more easy of digestion, The flesh of
animal starved before killing will keep better.
So keep meat put ^{it} into cether, with a chimney
to it, or in an Ice house. & it will keep, it will
keep in cold water, but should be ^{best} immediately
after taken out, Sommersed ⁱⁿ it in lime water
or covered with carbon with restorer pi-
-trifaciles, animal substance, Thunder and
lightning will hasten putrefaction, Meat that
is well done digest best, both, should form
the finish dish, but always take off the
fat, To make Essence of Beef, put one
lb of Beef into a jug with a little water cork
it tightly boil it in a pot three or four hours

them will be about half pint of juice which
will be excellent for sick people, to have
a good beef stake broil it quickly, -
boiled fowls are more easily digested than
roasted, we may tell when fish are boiled
enough, they rise to the top, when done too
much, they sink to the bottom again, -
Whether half roasted, than boiled is much
improved, Eggs will keep dipped in less
waste on in oil, - - - - -

Leit. Dr. To make wine whey. Boil
milk then turn wine to it, Oream
Santar half an ounce to one quart of milk,
(The best Kessels for cooking are made of
Earth and Iron, Many disorders arise
from cooking in Copper, - - - - -)

Directions how to use cold water, when
heated wash your face and hands before
you drink any, Warm water will remove
thirst, better than cold, Never drink
cold water as you go to bed, The stomach
is like the conscience, it does not refuse

us in our youth, but it is come to repro-
us in old age, Vinegar and water was the
only drink of Romaine Army, Drink
water at meals, Bread and Beer is the
food of the poor people in England, one
qt of Beer to twelve qts water half
pint of honey. He speaks elegantly again
the use of Noxious Spirits and Tobaccoes,

Lib. 29. Pathology is that science, which
treats of the causes, effects and seat ^{of} Symp-
toms of diseases, Diseases consist in the confused disordered
and irregular action of the whole, or a part of
system. The causes of disease are derived into
remote, predisposing, exciting, and proximate,
The remote are ^{Indisposition} which excite debility, which
is the predisposing, whatever acts on the the pre-
-disposing is the the exciting, The proximate cause
is the disease itself, The Dr. disapproves of classi-
-fication ^{of} ~~diseases~~ ^{of} ~~diseases~~ Economy in temperaments
He divides the Economy into nine systems
one of which is more liable to disease than

The others, The Sanguiferous, this he subdivides
into Pulmonary & uterine & ^{the} Hepatic, & ^{the} Venous,
& the Muscular, 5th Cephalic, 6th Phrenetic & the
Alimentary, 8th Lymphatic, & the Cutaneous.
The predisposition is applicable to mor-
-als, it is changed in diseases & morbid, hence
he disapproves of Capital Punishment,
the healthy point he places at 50. So
great a stimulus applied will raise the
system above the healthy point ~~50~~ 60
a still greater degree of morbid excitement
carry it, round the excited point 50 -
down to 40, this he calls the suffocated
point, an abstraction of morbid excitement
will reduce the system down to 40, -
you must distinguish between an elevated
excitement, and morbid excitement and
between ^{a debilitated} point and Depressed point, Morbid
excitement if ~~first~~ always a partial
at first, then is but one sin - and that is
Self Love.

Lect 30. Chronic excitement after previous
disease which must be removed by bleeding
or a cathartic you should remove debility, the
predisposing cause by stimuli. depression is not
to be removed by bleeding, pre-
ternatural excitement removed by
Purging, The Dr. believes in the Unity
of disease. &c. &c.

Lect 31. The viscera possess less sensibility,
than the other parts of the Body or
System, The countenance exhibits more
certain signs in children than in old age,
we must prognosticate from the general
state of the body, from certain particularities
peripartus, from conversation, from the
sensation of itching under the skin, from
restlessness, when there is no pain in
the ~~limbs~~ limbs and back it is a ^{bad} symptom
The pulse is above 60 in health more
frequent in females & children, than in men.

Lect 32. This lecture was on the Pulse.
He directs that a great degree of attention
must be paid to them, Also to every sym-
-tom, He distinguishes a number of kinds
of pulse, which may be seen in his
Inquiries.

Lect 33. A further continuation on the
Pulse. It is often suppurated in one part
of the system, while it continues regular
in an other, Blood sometimes shows an
inflammatory buff in one part while it
is absent in the Blood of an other part,
Hot and dry summers, are the most
healthy, diseases arises from moisture, There
is always moisture in the atmosphere,
in the driest seasons the Salts of Tartar
will deliquesce, diseases in dry seasons are
inflammatory.

Let 34. On the influence of Heat, and cold, in producing disease. Cold and moisture produces fine complexion, Cold partially applied produces disease while the general application does no injury. Warm climates are in general more healthy than Temperate, A man who lives in the West Indies two years generally escapes the yellow Fever, Typhus ^{fever} ~~fever~~ generally follows a cold winter, Cold acts directly as a sedative, It causes a disease by ^{abstracting} ~~abstracting~~ excitement, When too long applied it prevents reaction, It is calculated that 8 women die of the consumption, to one man, owing to their thin dress, which does not defend them from the cold, The morbid effect of heat is much increased by moisture and still more deleterious, when the air bears over putrid exhalation, the Putrid is not of exotic origin always deep warm in the winter.

Lect 35 Moisture increases the morbid effect
of cold on the body, ^{and} acts more on old peo-
ple than young, more when asleep - - -

It may be considered as the exciting cause
of most diseases, It is the greatest physical
enemy to man, Where man to live with
reason, he would live longer, Air is found
in the blood, Blood discharges air in the
stomach in certain diseases, The East winds
are most moist because they come across the
Atlantic, Wind and storms says midwifery
produces puerperia, - - -

Diseases of the winter spend themselves in
June, Diseases of the summer spend them-
selves in February, For England they have
nine months of moist weather, and in ^{America} they
have nine months of dry weather, - - -

There died of a consumption in Philadelphia
 $\frac{1}{4}$ of all diseases, in New York $\frac{1}{6}$, in Boston
 $\frac{1}{4}$, It is healthy when the wind blows from
the south west or west. - - -

Lect 36, The morbid effects of the air
is divided into sensible and insensible,
Sensible Heat moisture, rarity and Density,
~~Sensible~~ Insensible vice versa.

Miasma miasmata idiomiasma & ^{giz} will
be mentioned in course, The Miasma miasma is
produced by the decomposition of decayed vegetable,
Stagnant water &c. A certain degree of heat is
necessary, that it may act on man about 80 Degrees
Moisten is essential to produce disease, it does not
prove injurious if the low lands are completely
covered, Moisture acts by opening fissures in
the Earth and permitting the escape of noxious
vapours, Keep in your house after sunset, until
nine ^{or twelve} and also about day light,

Miasma produces inflammatory complaints requires
— bleeding & such as the bilious yellow fever & plague
Miasmata produces different effects, in different
parts of the body, as in the liver stomach &c. —
Cholera Eructs and great rain suspend on distempers

the bad effect of miasmata.

Idiomiasma is the effluvia which arises from animal. It produces diseases of the Syphus kind

Lect 37. Contagious diseases are those which ~~are~~ affect persons, who come in contact, with the atmosphere of the sick, Infection is communic-
-ated by inoculation, Hoine and Idiomiasma are perfectly innocent in the stomach and in contact with the skin, but reared into the lungs produce disease. Idiomiasma will not produce disease, at more than ten feet from the patient, Diseases are produced by respiration of Azote,

Hydrogen, or Carbon. Stones often produce disease in consequence of ^{rarifying} ~~respiring~~ the air, which may be remedied by putting a dish of water on the stove, Remote causes seldom produce disease without exciting ones, hence we must avoid the exciting.

Lect. 38. In this lecture the Do^r. mentions, the Epidemical disease, weaker diseases yield to the stronger, sometimes however the stronger yield to the

weaken after the Stronger has continued sometime
He continued this lecture on the cause of Epidemics,
which are not important, but the product of
filth stagnante water &c &c. — — — — —

Comparative ^{Risk} Mortality.

Cities 1 in 13 or 20 die yearly
Towns 1 in 25 — — — — —

Villages 1 in 40 or 50, die yearly, — — — — —

Fact B3. Person who have passed from a healthy
situation to healthy often become diseased.

Epilepsy is induced by Thunder, Thunder
showers produces ^{Spasms} convulsions often by changes of
temperature which takes place after them,

Compression induced on the system produces disease,
in some, such as the cries of chimney sweepsers, has
been known to produce a relapse, Earthquakes prod-
uce Abortion &c &c.

Hypochondriacism is increased by cloudy days,
Healthy people are not affected by the changes of
moon, but the sick are. It is said that many

sicken and die about the change of the moon,
Hemoptoe, parturition, & madnys take place about
the full ^{change} or of the moon, Dr. Rush supposes it may
be owing to an increased light about that time,
Most Diseases take place thro the mouth and soles of
the feet, Many people suffer ill ~~the~~ health all
their lives in consequence of being starved at
the boarding schools, There is generally an in-
-creas action of the Pulse about nine of the
Clock at night hence Valetudinarians, should
be advised to go to bed early. - -

Lect 40. Cold water injures people, when
taken while heated. Laudineum is good to take
when injured by cold water, Cotton worn next
the skin is better for the health, than linen,
Flannel is better than eather, The tight
drefs of females are very much predispose to
disease, Eve was naked and was not ashamed
because she was innocent, our modern females
are all most naked, ~~but~~ ^{and} not ashamed, but

I fear not because of their innocence,
Waters in cities is not so good as that
brought from rivers &c. Water drunk between
meals in large quantities produce dyspepsia
and Hepatitis, When you see a Physician
with a trembling hand and a red pimpled
face, lifting the poisonous draught to his
lips, say he is not a pupil of the new school,
but a Martyr of the Brannicore.

Lett 41. Gunners and carpenters who
work in open air, are subject to Fevers
and accidents, Manufacturers are subject
to the rheumatic diseases, in consequence of confine-
ment, Smiths are subjects to malignant
diseases, Lead disposes to nervous diseases,
Judges are subject to the gravel for not
discharging their Urine, owing to their
confined situation, often Lawyers ^{are} ~~are~~
very long lived, their exercise is sufficient
and regular.

Physicians who ride considerably and
subject to Gout in one, Hemorrhoids &
continuing, The Dr. disapproves of theatrical amuse-
-ment. Brandy in the morning, wine
before dinner, Smoking taking snuff
chewing tobacco were elegantly spoken
against, Diseases are produced by unclean
ancestors, they are two, hereditary and
congenital, Consumption is derived
from the Father, Mania from the
Mother, The colour of the skin is derived
from the Father, ~~There are~~ filial diseases,
He deprecates false systems of medicine
they have slain their thousands, He asserts
there is no such a thing as truth in med-
-icine &c &c.

Let 42. Wounds of the head are dangerous
after a length of time ~~with~~ ^{the} hiffpling at first,
He always look to them for a considerable time
Belibey is not favourable to old age.

Lect 23, Theparathio the art of curing diseases
is founded on the knowledge of all the causes,
In this lecture was mentioned the necessity
of procuring operation and seeing practice.

Lect 24, Sedation destroys the effects of medicine
by removing the disease to the skin, Morbid
actions should be translated to parts, that
are naturally weak. Mr Chamber house is
very serviceable, a partial exercise after sur-
gers disease, watch makers live to be old by
the exercise of their arms, General exercise
often cures local complaints. — — —

Incurptum, Organists, night watchmen live to
a great age by the exercise of their lungs,
Sitting low predispose to the pulmonary
consumption, Walking up and down stairs is
a good exercise, it strengthens the lungs
abstracts excitement from the head by producing
a greater action of the lower limbs, what
would be the effect of pumping in chronic diseases.

There is no substitute for exercise, it is
most usefull in the open air ~~exercise~~
except in the night and before break-
-fast. Change the habit of exercise.
Digging in a garden is good for the kid-
-neys disease. walking for lower limbs.
Habitual debility is never cured with-
-out a change of occupation.

A change is necessary for health, We are
happier or unhappier by association, when
with ^{out} the knowledge of the exacting cause,
Taking jounys is most excentent, walking
has been known to cure the consumption,
The knowledge of of medicine is as drops
of the Ocean. When you travel never have
too much company, The literary should
avoid, the company of learned, when the
disease has been caused by literary pursuits,
A skinness has been increased by talking

about it. Old men live longer by changing
the climate when a disease has taken place, in
a cold and damp air, change for a dry air will
versa. A patient may be kept in a room sick
for some months and the heat regulated as
you ~~think~~ proper. Never take Tonic medicine
-ine while taking a change of weather, or air.
Matrimony is a good medicine when no debility
is present. A carefull continuance is ^{necessary} for
a physician, Carbonic acid gas is a very good stimulant.
Orest is a tonic remedy, from 7 to 9 hours is
^{necessary} for debilitated patients. Half a dozen
of garlic, to a half pint of water is a good stimulant.
Why should man die of debility, when we
have Tar, garlic, and Sorn, Tar in the winter,
Sorn in the summer, through the mouth, and
the soles of the feet most diseases enter the system
Lect 45, There are cases in which the existing
and the excitability is prostrated, hence the most
powerfull tonics are required.

The mouth sympathizes with the whole system,
hence any medicine that is taken in, will have
often a great effect on the system. If you
wish not to get intoxicated, drink your
liquor all at once, Ionic should be applied
at different parts of the system, As the bowels
viz, by glysters, the nose, the lungs, Medicine
effects the skin by stimulating the sentient nerves

Tobacco has been known to excite vomiting
by applying it on the inside of the thighs.
The stomach, the belly, the inside of the thighs,
the soles of the feet, sympathize most with
the system, External stimuli effect children
more than adults, There are Medicine which
do remove irritating substances, from the system.
Such as Emetics, Cathartics &c. It is highly
probable that Mercury acts chemically on
the cause of the Syphilis, When obstruction
are noted externally external application.

Lect 46. Remedies how to relieve pain.

We should be very cautious to examine before we attempt a relief of pain. Local pain. local inflammation, general bleeding, and abstinence, When the action is moderate, Opium may be given, when it looses its effect by the mouth, give it by the Anus, Great morbid excitement, cold water, cold water to relieve pain in the Hemorrhoids & gut,

Warm water often relieves pain Oil lessens the actions of the pulse when applied externally, it has cured the Cholera, Smothering by the hand, Rubefacients such as blisters, should be put over the pain, the application of mercury should be applied near the part diseased, it will not often evacuate them, Loud exclamations relieve pain, hence never advise your patient to keep silent, When pains are periodical harsh, and anseric &c. will relieve them, Surgical operation, to relieve pain, ought to be performed slow?

Would not a large dose of Opium relieve pain when ^{ever} so a to induce coma.?

Lect 47. Practice of Physic, He rejects Nosology, but retains the nomenclature of diseases. The different states of the atmosphere produce a centrifugal and centripetal force as they affect the system, It would be as proper to say goats, as Givers, In this lecture nosology was buried with all its rubbish. The lecture was uncommonly eloquent.

Lect 48. Givers of all kinds are proceeded by general debility, A stimulus is applied, it destroys the excitability hence debility takes place, The cause of debility is the abstraction of excitement or a too great a application of stimuli, Both also stimulates and abstracts excitement, The bloodvessels are the out post

of the system, hence they are first affected,
the action of the Bloodvessels is partly me-
-cal, not by the vis medicatrix nature of Gullen.

A disease is not only partial in the whole system
but in its subdivision, Causes of Fever exposure
to the cold air, by cold night ~~passing~~ a warm
day, by too great labour the excitement is dimin-
-ished, the excitability is not, In health there is
exact ratio - between the excitement and excitability,
in fever the balance is destroyed, There is but one
Fever, how many & more the causes of it.
The action of the arteries is irregular in disease,
it is a convulsive action, There is an unequal
distribution of the blood, you must deplete ^{until} ~~all~~
the equality is restored, then is an irregular
action and stimulus may be given, Dr. Brown
says Fever ~~to~~ consist in debility, Dr. Rush in
a morbid excitement, Brown in an increased
natural action of the vessels, Rush in a shorter-
-natural action, ~~Opium~~ has different appearances

in consuming different materials, so fever has different effects in proportion to the parts it affects.

Lect 49. Signs of Disease, a peculiar onset of the skin, the irritative effects of stimuli taken in the stomach, a great flow of spirits, a loss of appetite for those things which in health they were fond of, Remedy, avoid irritance, sweat, rest, small bleeding, The only way to avoid an approaching fever is to submit to it, perfect rest and abstinence.

M^r. Boissot says an attention to his next prevents, ~~Prevents~~ in the forming state, General evacuations thus are the most proper just before the forming state, Gentle, Emetic, small bleeding, Gentle sweats by the discharges of heat from the body, by the application of cold, ⁱⁿ ~~Can~~ always the effect of disease, disease is always partial at first, A fever generally runs its course after once settled, Medicine only prevents a relapse by overwinning debility, but there

are some cases in which they are cured by Cholera morbus, sweating large doses of Opium &c.

Delirium often increases a fever Dr. Rush says how we know but the fever would have terminated if the remedies had been employed, such violence medicines should not be in general employed, as their violence may destroy the patient, The duty of the physician is to keep the fever in its course, Remedies of a Fever, are stimulents, and sedatives, The first sedative is Bloodletting, the blood is an irritating substance in a fever, It renders the action of mercury more certain, Then Cathartics and sweating, are recommended more certain.

Lect. 50. Cathartics are improper when the violent action is not reduced, Purges act two different ways, by quality and quantity.

Cold air and Ice, Cold air should be applied equally, Sydenham used to order his patient out of bed, it answered two purposes, being exposed to the air, and abstracting the blood from the head, Cold water is a good remedy for to cure a great morbid action in Fevers, it is employed by effusion it acts first as a stimulant, ~~then~~ ~~then~~

then has an indirect stimulus, In most cases of
the yellow fever there was a inability to react,
hence it was generally of disuse, you should de-
-plete before using it, It is heartfull because it
is with difficulty used, want of reaction in the
system, because it may be reduced better by deple-
-ing medicines. infusion in cold water it has
all the difficulty of affusion, ~~abstention~~ is an excellent
auxiliary to depleting remedies the water applied in
this way should be of the lowest temperature, or
have ice added, Dr Parry found it good in delirium.

The arteries become slower, by putting the feet
in cold water, Dr Parry used cold water, when
there is an excited pulse, ~~was~~ ^{even} when a partial
cold in some parts of the system, It is unsafe
in all diseases of the lungs from the increase
sympathy, -
Spirits produce a great degree of cold from the
rapid evaporation.

Lect 51. Animal food should be avoided,

light food taken, Arrow^{root}, oat meal potatoes, roasted apples &c. Light should be excluded especially when there is any tendency to delirium, conversation avoided, exercise of all kind avoided, thirst should be allayed, if water should be of use add to it butter, toasted bread and rice, currants and blackberry jellies, dried apples &c &c. Temperature of drinks, neither hot nor cold drinks should be used, hot acts a direct stimuli, cold as an indirect sedative in the stomach next the arm-pits, then the head, the skin,

Spiced water satisfies thirst better than cold, The degree of thirst should not regulate the quantity of liquor, Salt may be dissolved in the mouth, After the morbid action is in the same degree reduced, then liquor may be taken more largely, Do not trust to nature in this case,

Water seldom borne in bilious and gouty persons.
Soda, Saluble Tartar, is good in bilious fever.
Dr. Rush prefers Emetic tartar, Dr. Rush found
-er is good, the Calomel should be omitted ~~after~~
a Day or two, Seneca is good remedy.
Digitalis Lind. the external application it
does injury says Dr. Rush, for giving a centri-
-petal power to the blood, Water impregnated
with vinegar has cured in the yellow fever
light ligatures applied when there is a great
morbid excitement, keep your patient
from sleep. - - - - -

Lect 5th. The Typhus and Typhoid Fever
are not always ~~chronic~~ nor are stimulant
medicines always necessary. Emetics often cure
even the Typhoid in forming state. There
are two actions in the blood, ~~one~~ in the
circulation and the other in the plexus
textus of the blood, ~~remains in blood sitting,~~

Remedies. Bloodletting very cautious in people who
live well, Vomiting is generally unavailing, to be effect-
-ual, they should be given every two, or three days,
Cathartic are good when it is not of the low kind, &
and there is no bilious affection, Icteric. Blisters,
salivation ^{depletes} the whole body, If the
pulse become slow after taking stimulants continue
Low Typhus has but little or no reaction, that
takes place the blood becomes sometimes dissolved,
The remedies internally are stimulants, such as
the Bark, Col^d, Alkali, &c. External stimulants
fomentation. Internal, Wine, this is most excellent,
given in large quantities, wine way. Patients
will often take daily three bottles of wine
without drunkenness, potter is good, a bottle
two daily. Brandy. Volatile Alkali from
5 to 10 gr a day, one dram made into pills 20,
one every four hours. Oil of amber for those
paralytic affection of the muscles from 5 to 10 drops
Opium has a good effect on most parts of the

system, Dr. Rush considers it as a stimulant,
Opium is a proper remedy in the low Pyrexia,
Opium does most good services when it induces
sleep, and the patient sleeps too tight, the pers.
should be examined in sleep, if they flag
they should be washed, and more Laudanum
given, Humans tincture of bark one ounce, opⁱ 20
50 drops of Peppermint one ounce, ~~the~~ water 6
ounces, Decoction of Bark of the Willows often
succeeds when Bark does not, Rubric infusion of
Bark and coffee are bitters,

Mercurial Ointment is excellent, ^{it is} good

Let B.B. Efficacy of smother in sick rooms, &
green Ithors, and smother are good for the sick,
For ventilation, sulphuric acid, water, Do
not let the acid be near the wall, but in the
middle of the room, never have bed, curtains,
you should always have the bed pans half filled
with cold water, the floor should be often wet

with cold water, it is better than vinegar in
warm weather, Cleanliness one of the utmost
service Conversation is often of service in the ty-
phus fever, joy often cures.

recital of similar cases in which the patient has
gotten well, keep the the sick of their relations
from them, and their dead friends. Give food
often and little at a time External stimulus bottle

Bottle of hot water, Friction a short time, A
strong solution of hot water and salt, Fermenta-
tion of the feet, Blister in the low Typhus
should not be used on the extremities sometimes
near the head they are of service, Cataplasms
to the feet, and legs, cotton one sometimes of
service scarification, friction are of use in low
typhus, The Elixir made of stimulating
and depleting ^{medicines}, Light properly regulated,
Sound also, The effusion of cold water when
the system is not beyond the reacting point,

Stimulating remedies ^{must be} given before the effusion.
Pure air is good, the effect of pure air is wonder-
-full in the cure of prostrated fever. Beware of giving
sweats in low Typhus, Beware of given purges or
em. glyster in a very low state ~~of~~ ^{of the} system,
except in Autumn, Look to the skin, do not
let patient get up, move them horizontally.
Beware of the use of the warm bath to the whole
body. Cold drinks in the typhus are hurtful,
Beware of all narcotics Dr. Rush has mentioned

Lect. 54. Patients die from debility for want
of cordials, even in the moment of victory.
Convalescent is a compound of debility, exaltation
and disease, this should be guarded against by wine
& cordials, Convalescents should avoid company
current of air instead of all visitors

Tell your patients there is more changes from
relapse than from the original disease, In the
relapse the same remedies are necessary, as in the

original ^{even} it requires more efficient.

The remedies of a convalescent should be bleeding &c.
Many have died from the timidity of the
Physician, Obstructions should be removed by
Purges, Calomel &c. Defect of appetite and
freshness of the stomach should be removed by bark
Clean & florid state of the mind should be removed by
exercise, General appetite is often very great in
convalescents, it will go off by exercise &c. Patients
should not be indulged in very stimulating food.
In Hypochondria change your dress often.

Avoid too much exercise, Many people have
been cured of all diseases they possess by ^{fevers} ~~fevers~~
Bannaness has been cured by fevers.

O. S. 7. 9. 11. 14. 17. 20. these are the ^{days} which
fevers generally terminate. On critical days,
the action is more violent in these days than
in other days, therefore depleting is most proper,
Pragmatis. Diaphoresis is a good sign in chronic

Syphus, but bad in bilious, Distressing in
Syphus good if soon, in bilious bad, Then
patients whose diseases come suddenly, or more
than those which come on slowly. tedious then
Dangerous which come on without a cold fit
The less danger worse the sympathy in ~~the~~
is not demand between the system, when
there is a good appetite it is indicative ^{of} deep
seated disease in the blood vessels. it is a bad
sign to have the patient to say he is well

LECT 55, Pneumoniae, paroxysm that are worse
the critical days is dangerous, Violent fevers in
pregnancy is dangerous, An intermittent pulse
is dangerous, A pulse that is about 120 in a
minute, fever get well, no cases get well if the
pulse is above 150 in a minute, Hemorrhage
from the stomach is most dangerous, the lungs, the
kidneys, and from the nose is dangerous, in old ulcers
very dangerous, Partial heat partial cold very dangerous

I never knew a patient get well if the neck
is cold and the hands warm, soon about the mouth
if they open after the 3th or 5th day the drying
of old sores unperfected, swelling of the belly is dangerous
White tongue & yellow tongue are good symptoms,
As a red smooth tongue is dangerous also a
black tongue is dangerous, the state of these
depends on the state of the bile. A dry tongue
is always unfavourable. A tongue suddenly
becoming moist is not a good sign. A natural
tongue is unfavourable also natural skin, and
pulse bad. A quiver in the countenance is bad.
Sensitiveness and pale countenance good, convulsion
slangy in the beginning, dangerous in last.
Slipping down in in the bed, turning on the
side whilst sick, after they have laid on their
backs which is generally fat, Pain when confined
to the back and limbs are seldom injurious, Pain
coming on after bleeding is a good sign, A burning

sensation of the stomach and mouth unfavourable
- nable caking of the tongue and head is favourable,
innum ~~is~~ smell is unfavourable, Half closed
eyes always fatal unless in the dysentery,
involuntary tears bad, double vision animation
of the countenance bad, murther in the internal canth
- us bad, increasing of the hearing good or bad sym-
- toms, An obstinate wakefulness good, sleepfull
in the day and wakefull in the night bad
Cold beneath unfavourable, Anasarca
swellings favourable, Thirst for cold water
not good, ~~But~~ ~~the~~ ~~sweats~~ ~~unfavourable~~, cold
sweats unfavourable, ~~but~~ ~~the~~ ~~sweats~~ ~~unfavourable~~
Heaving of Dags mean the sick room bad,
Urine coffee coloured bad, On the stomach sick-
- ness long continued is bad, Strangury from
Blister good, involuntary stool bad, forcible
vomiting is bad, Dark stools good, Bloating good,
woman discharges good or bad, appetite is bad, silent

delirium bad, An inquiry from the hour
bad, A desire to be removed bad, A desire
of life good, slow answers bad, A presentiment of
death is always bad, ---

Lect 5.6. Hectic Fever, it has a specific
action therefore a specific ^{or} treatment should
be necessary, it is induced by many causes, it
is a law of animal economy, that local
inflammation follows, local injury, in the
hectic sweat do relieve it, but do in inter-
mittent, Urine in hectic fit is turbid, light
in the remission, The hectic attacks people
about the 45 year of age, It is an isolated
disease therefore the local effect must be
removed before the hectic can be cured,

Evase Bloodletting when the pulse is of
the synochus, Mercur if not too nutritious
Arsenic has been given, Digitalis will seldom

cure, and medicines are generally ineffectual.
Riding is most ~~valent~~ it will shake the
disease from the system, Salivation and Loo-
-se will cure occasionally, Might not create
a powerful action on the skin cure the
Dentist? Sweet oil will often stop pushing
Out meat, Coffee will stop vomiting,
Spt. turpentine will stop vomiting 10 Dro-
ps given ^{every} two hours on in a glyster, Carbonic
acid to ~~water~~ ^{water} cold water applied to
the stomach, Lime water, and milk, Large
doses of Opium, opium in glysters,
Let 3^d Salivation is good to prevent relapses
in the yellow fever, Bleed and purge in the
Bilious fever, Blister in the bilious fever act
like a charm after inflammatory action has
subsided in the case of the ~~fever~~ bilious fever,
Liquid Laudanum given just before the paroxysm

Langsam to produce sweats &c. &c. Bleeding is
necessary in malignant intermittent. The force
of a spider will cure the intermittent. When
Bark and stimulants fail, it is because there is
congestion or inflammatory action, therefore
bleeding is necessary, Ansenic from 5 to 10 drops
three or four times in a day, Blisters are good

Salivation ^{good} in intermittent assumes vari-
ous forms, Nephropia assumes an intermittent
form. Bark is the remedy. To prevent
poison tie a ligature above the wound
excision wrapping it in the earth, Caustic Alkali
sweating. Blistering are good, Grain propper
taken internally, A fever is sometimes
induced by ~~mercury~~ ^{mercury}, it is of the tertian &
quartan type. The patient had a violent
sweat in the fever so as to induce a fog. to
fill the cell. Cure bleeding, Chex vitonit

Stechind's ^{remedies} are better, wine & port
bleeding, for the Dr. supposes there is sufficient infla-
-ment. The dysentary is only an increased state
of the Diarrhea The dysentary is induced by hum-
-an miasmata, Dysentary is a disease of high
situations. It is cured by, vin. Bark, putting
a lemon up the anus, Continence obstructed by
Cathartics.

Let 5th. Sweating remedies are of service
in ~~the~~ Dysentary, For Drinks I may be
of service, Remulcents slippery elm, Gum
Arabic, Flower boiled and made into gruel.
Raw eggs good in the Dysentary, starch boiled.
a sheet of paper boiled in a pint milk,

Chalk $\frac{1}{2}$ $\frac{1}{3}$, Gum Arabic 2 $\frac{1}{2}$, Sinnamon 3.
The 5th cures the dysentary, frictions on the
belly. Let the patient lay on the belly
For Tenesmus Sardinum Applied to the anus

by being often used. The Dysentary terminates in the Catarrh, Favourable symptoms yellow stools, First no marks.

Dysentary is contagious in certain circumstances. The Dysentary is generally fatal when left to nature. Amen. Much is dead.

Medical Extracts. Vol. 2. Page 112 Note.

He has the canine or tearing teeth, the incisors or chippers, and the grinders. Those animals that have only the canine teeth, as the lion, &c. have a gastric juice that does not dissolve vegetables, and on the reverse, those that have only the incisors and grinders, as the horse, &c. have a gastric juice that only dissolves vegetable substances. Marshall.

Dr. Smith's Operations, while I was with
him, began the first of November 1813.

1st the Operation on the eye from the cataract
Was called to a man by the name of Miller
about 40 years of age, this was the second time
of operating, he depressed the cataract, left Haemorrhage
the next week don't know how it terminated.
Left Haemorrhage Newbern where the third
of November but before starting was called
to a man who fell off the back of a cart
break the Patella transversely, break one
arm just above the wrist, dislocated the
other wrist, cut a large hole on the
head, and buried him in a number
of other places, fell 23 feet. head from
him 8 days after was in a good way

3th Stopped in Wetherfield to see a young
Lady who had an exostosis ^{on the lower part of} did not open
recommended an issue, while Oak and sweet
apple tree bark, simmered down to a pint.
the exostosis was very large but could be
removed very easy.

4th Was called to Acworth St. to
see a boy who had a tumor on the Os
Cuneiforme externum, took out the whole
bone with the forceps, & found he got well.
5th Was called from Charleston St. to
Rockingham St. to a boy who had a tumor
on the lower end of the Os Femoris. made
an incision about four inches there
was a great deal of matter. Prefferated
the bone in two places as high up as

possible and as low down, took up one small artery, dressed it with lint and simple concreate. —

The Was called to a young girl in Northfield, disordered ⁱⁿ the eye, a cataract, operated, pushed the cataract into the anterior chamber through the pupil this will absorb the cataract, the girl ~~never~~ has seen, but I presume she will know. —

The Was called to a boy in Suffield Conn. who had a Sacrosis of tibia, operated and took out all the tibia, the boy was about 10 years old, I fancy he will get well.

of the In Northampton Mass operated on a young man for the venient veins

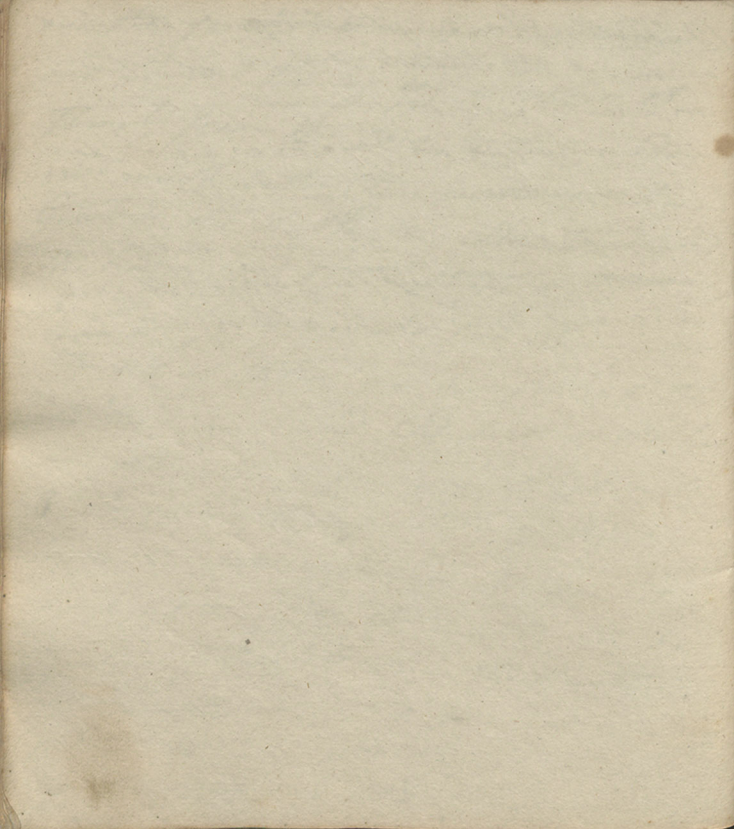
on the ^{inferior} perineal veins, took up to vein
and swathed the leg by a roller of
flannel from the toes to the abdomen
was much better the next morning.
Arrived at New Haven the 12th Nov.
We had a very pleasant journey.

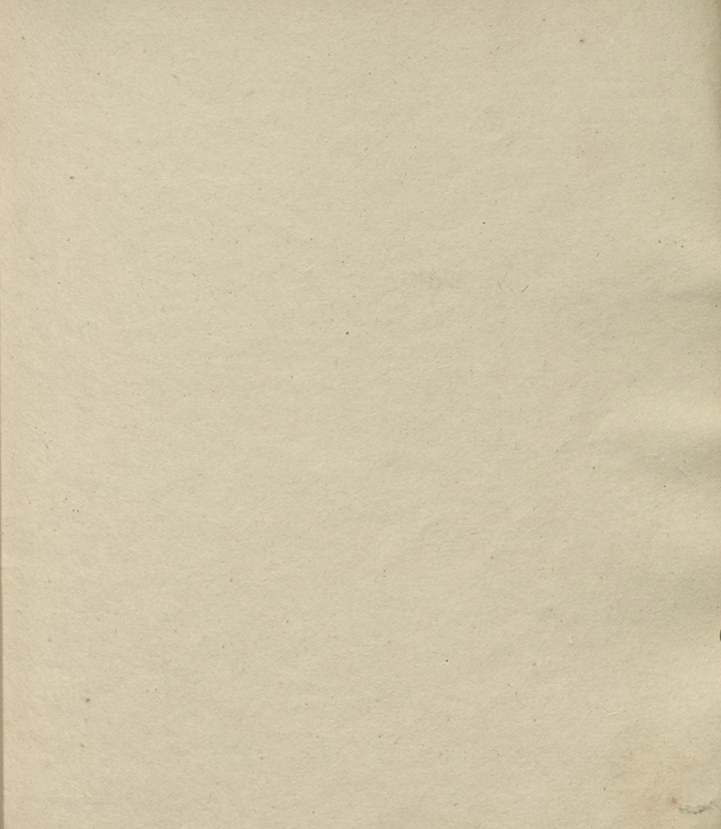
§. A young man: who had Scroon's on
the top of tibia, was brought into the
Lecture room and had part of the bone
extracted, is in a fine way to get well.
§ Performed the operation of Hydrocele
in water shed New Haven. He done it
by puncture with the lancet, the by
injecting with port wine, then suction,
five punctures then while the water is running
put in the syringe after the water has run out
inject the wine, and hold it five minutes, while
the wine is running out put in the suction.

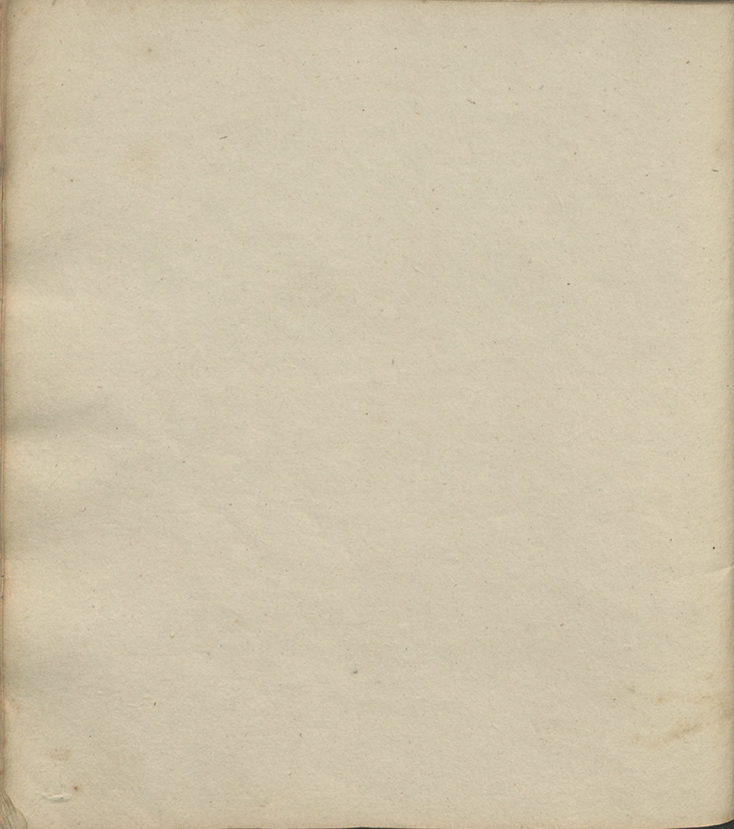
10 Operation An encysted tumour on the cheek
on one of the students. It had a cyst which
was ligatured out. It done well. —

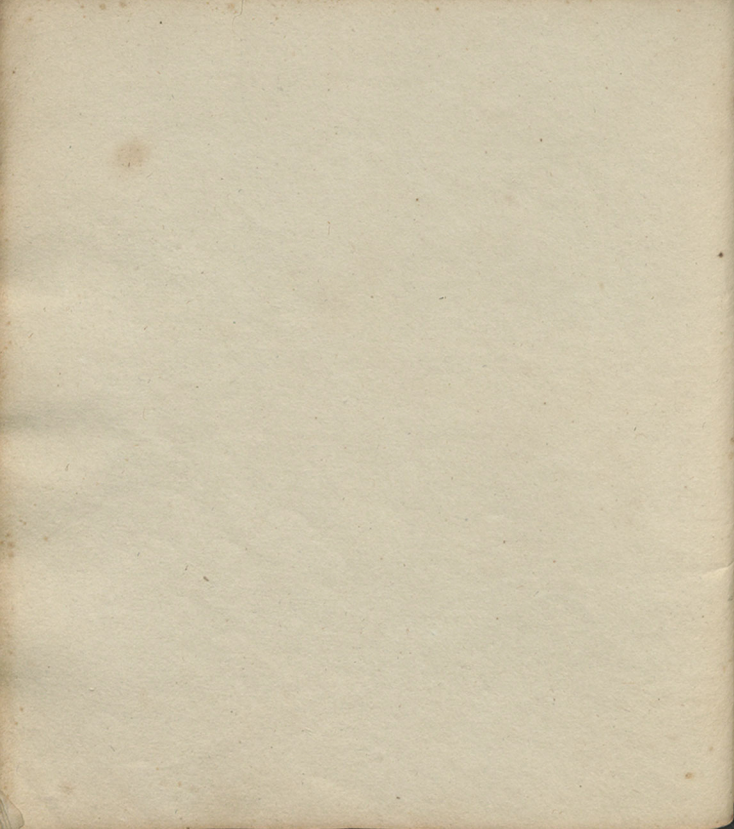
11. The same day an operation on a girl for
the same tumour, and done well. —

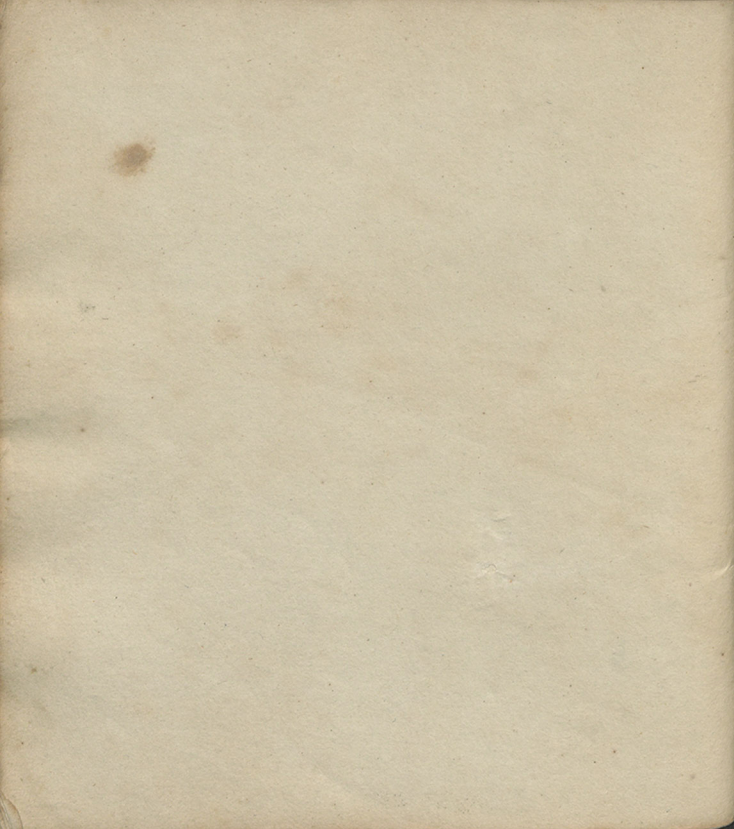
12. Disputation of the penis. Cut off with
an strapper, took up four arteries. It was
curious done well. all in one day











We should set a proper value on our present knowledge, although it be imperfect; and, restrain those rude hands, that are ever ready to pluck up the tender plants of science, because they do not bear ripe fruit at a season, when they can be only putting forth their blossoms.

To see, therefore, vigour in perfection, we must look at the hardy and laborious rustic, whose turgid muscles, as in the statue of the Farnesian Hercules, can be readily distinguished through the skin.

Thus the circulation is maintained till the silver chords are loosened, and the golden bowl is broken at the fountain.

157
16

1002

167

2672 Cord

5000

5000

7

6972

2

Doctory Doctry Doctry.

The Invention of all these things
knowledge of their own
the effect of the same on the